

**AMENDMENTS TO THE SPECIFICATION**

**Please amend the present title as follows:**

INK JET PRINTER, PRINTER CONTROL UNIT, PRINTER SYSTEM INCLUDING  
THE SAME, AND STORAGE MEDIUM WITH THE OPERATION PROGRAM OF THE  
PRINTER CONTROL UNIT STORED FOR CONTROLLING DOUBLE-SIDE PRINTING

**Please amend the paragraph bridging pages 30 and 31, line 20 as follows:**

The head carrying unit reciprocates the print head 401 across the cut paper A which is sent intermittently by the cut paper conveying unit described below during the page image printing process. To this end, the head carrying unit 401 comprises a carriage having the print head 401 and the ink cartridge 405 mounted thereon, a driving belt for reciprocating the carriage in the main scanning direction, two pulleys, a stepping motor for rotation the driving pulley according to the control instructions from the printer control section 551 of the control system 500. The ink discharging port 401a of the print head 401 and the platen 402 are facing each other with a prescribed clearance t formed therebetween. The sheet conveying unit conveys the cut paper A through the clearance t. Therefore, the cut paper conveying unit comprises a take-up roller 406 for taking up the cut paper A from the paper feeding tray 404 403, upper and lower guide plates 408a, 408b for guiding the cut paper A between the ink discharging port 401a of the print head 401 and the platen 402, a feeding roller 407 for feeding the cut paper A between the upper and lower guide plates 408a, 408b, a sheet detecting sensor 409 provided between the upper and lower guide plates 408a, 408b, upper and lower registering rollers 410a, 410b for registering the leading edge of the cut paper A having passed between the upper and lower guide

plates 408a, 408b, the upper and lower discharging rollers 411a for pulling the cut paper A out of the clearance t between the ink discharging port 401a of the print head 401 and the platen 402, and a plurality of stepping motors (not shown) for rotating watch roller according to the control instruction from the printer control section 551 of the control system 500. The upper registering roller 410a is pressed against the lower registering roller 410b by a resilient force of the spring 412.

**Please amend the fourth full paragraph on page 41, (lines 19 and 20) as follows:**

As shown in Fig. 8, in the waiting time control table, as shown in Fig. 8, the range of the ink duty ~~700~~ 800 of the cut paper A (ration of the inked area with respect to the area of the cut paper A) and setting value ~~701~~ 801 of the waiting time  $\Delta t$  before printing on the back surface of the cut paper becomes.

**Please amend the paragraph bridging pages 41 and 42, (lines 1 and 2 on page 42) as follows:**

On the other hand, the roller revolution control table, as shown in Fig. 9, the range of the ink duty (%) ~~800~~ 900 of the cut paper A, the number of driving pulses ~~801~~ 901 of the upper and lower registering rollers 410 at the time of the cut paper abutment, the number of pulses of the feeding roller 407 at the time of cut paper abutment, and the number of driving pulses of the feeding roller 407 at the time of cut paper retraction are registered. According to the roller revolution control table, the more the quantity of ink attached on the front surface of the cut

paper A is, the higher the rotational speeds of the upper and lower registering rollers 410 and the feeding roller 407 at the time of the cut paper abutment becomes, further increasing the speed of rotation of the feeding roller 407 at the time of cut paper retraction.

**Please amend first full paragraph on page 43 (lines 15 and 18) as follows:**

The, in the second process (step 60 to step 63), when the paper feed command creating section 156 determines that the setting value of the page counter *Page* is smaller than the total number of pages, it takes out the ink duty from the stored data in the ink quantity detecting portion 158 in ascending order of the page number. Then based on the obtained ink duty, the setting value of the waiting time  $\Delta t$  and the number of pulses supplied to the drive stepping motor of each roller 410, 407 are determined. More specifically, a waiting time  $\Delta t$  associated with the range ~~700~~ 800 to which the obtained ink duty applies is retrieved from the waiting time control table (See Fig. 8) in the paper feed condition storing section 159. Likewise, three pulse numbers 901, 902, 903, corresponding to the range ~~800~~ 900 to which the obtained ink duty applies is retrieved from the roller control table (See Fig. 9) in the paper feed condition storing section 159. Then the back surface paper feed command including these results of retrieval is generated (step 61).

**Please amend the present Abstract of the Disclosure as follows:**

~~According to the present invention, an~~ An ink jet printer with a double-side printing function enables to print page images at a proper position on both surfaces of a cut paper, is provided. ~~To this end, in the present invention, when~~ When feeding the cut paper A having an image printed on the front surface, ~~as shown in Fig. 6,~~ the feeding roller 407 is rotated in the direction C1 to feed the cut paper A and simultaneously the registering rollers 410a, 410b are rotated in the direction D1 to push back the cut paper.

~~According to the present invention, d~~In addition, the double-side printing is easily realized in both of the cases where the ink jet printer with the double-side printing function is connected to the host, and where the ink jet printer without double-side printing function is connected to the host. ~~Therefore, as shown in Fig. 18, in the present invention, when double-side printing mode is designated, the~~ by having the host makes an inquiry of the printer whether or not double-side printing is available (step 6). Based on the results of the inquiry, printing commands are generated and sent to the printer; ~~and if the response indicating that double-side printing is available is returned (step 7), a printing command for double side printing mode is generated and sent to the printer (steps 9, 10). When the response indicating that double-side printing is available is not returned (step 7), a printing command for the odd-numbered pages is generated and sent to the printer (steps 11, 12), and when the user inputs OK (step 16), a printing command for the even-numbered pages is generated and sent to the printer (step 17, 18).~~